

I CLAIM:

1. A container assembly comprising:

a container body having an outer wall surface;

5 a magnetic display panel mounted on said outer wall surface and having a rear side confronting said container body and a front side opposite to said rear side, said magnetic display panel having a multi-cellular configuration and including a cell array and a dispersion contained in said cell array, said dispersion containing
10 magnetic particles;

a magnetic pen operably associated with said magnetic display panel for moving said magnetic particles in said cell array to said front side of said magnetic display panel so as to form an image at said front side of said
15 magnetic display panel; and

a magnetic eraser operably associated with said magnetic display panel for moving said magnetic particles in said cell array to said rear side of said magnetic display panel so as to erase the image formed
20 by said magnetic particles at said front side of said magnetic display panel.

2. The container assembly as claimed in Claim 1, wherein said magnetic display panel includes:

a backing plate at said rear side of said magnetic
25 display panel;

a light-transmissive display plate at said front side of said magnetic display panel; and

a grid member sandwiched between said backing plate and said display plate and defining said cell array that contains said dispersion.

3. The container assembly as claimed in Claim 2, wherein
5 said outer wall surface of said container body is formed with a recess for mounting said magnetic display panel therein.

4. The container assembly as claimed in Claim 3, wherein
10 said recess has a bottom, and said magnetic eraser includes a permanent magnet rod movably extended into said recess so as to be disposed between said bottom and said backing plate.

5. The container assembly as claimed in Claim 4, wherein
15 said magnetic eraser further includes a slide block connected to said permanent magnet rod and in sliding engagement with said container body, and an operating member connected to said slide block and operable so as to drive movement of said magnetic eraser relative to said container body.

20 6. The container assembly as claimed in Claim 5, wherein said container body is formed with a slide groove that is in spatial communication with said recess, said slide block being slidably disposed in said slide groove, said operating member being disposed outwardly of said recess
25 and said slide groove.

7. The container assembly as claimed in Claim 3, further comprising a retaining unit mounted on a periphery of

said recess for retaining said magnetic display panel in said recess.

8. The container assembly as claimed in Claim 7, wherein said retaining unit includes a retaining frame and an interlocking unit to lock said retaining frame onto said periphery of said recess, said interlocking unit being constituted by a plurality of engaging blocks on one of said retaining frame and said periphery of said recess, and a plurality of engaging notches in the other one of said retaining frame and said periphery of said recess to engage said engaging blocks, respectively.

9. The container assembly as claimed in Claim 1, wherein said magnetic pen is mounted removably on said container body.

10. The container assembly as claimed in Claim 1, wherein said container body has a handle, and said magnetic pen is mounted removably on said handle.

11. The container assembly as claimed in Claim 10, wherein said handle is formed with a pen-retaining groove for receiving removably said magnetic pen.

12. The container assembly as claimed in Claim 11, wherein said handle has a stop rib projecting into said pen-retaining groove for retaining removably said magnetic pen in said pen-retaining groove.

13. The container assembly as claimed in Claim 1, wherein said dispersion includes a light-colored oily liquid dispersion medium.

14. The container assembly as claimed in Claim 1, wherein said container body is a mug.